

### IN THE CLAIMS

A clean copy of the entire pending claim set is provided for the Examiner's convenience. A marked up copy of the amended claims is included in Appendix A attached to this document. Please amend claims 1-11 and add new claims 12 and 13 as follows:

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1. (Amended) Method for location updating of a wireless terminal in a communications system comprising a number of private branch exchanges and at least one telephone exchange, the communications system being connected to a public integrated services network and an intelligent network;
- the method comprising:
- the terminal sending, in connection with a call setup, a location updating message to a private branch exchange and the private branch exchange sending a call setup message to the exchange;
- the private branch exchange adding the location information and the identity of the terminal to the call setup message;
- the telephone exchange sending a node of the intelligent network a service request, the service request including the location information and the identity of the terminal; and
- the node of the intelligent network adding the location information of the terminal to the subscriber number.

1           2.     (Amended) Method according to claim 1 wherein, in case of an incoming  
2 call to the terminal:

3           the exchange sends the node of the intelligent network a service request  
4 comprising the subscriber number of the terminal;

5           the node of the intelligent network returns the location information of the terminal  
6 to the exchange; and

7           the exchange establishes a connection with the private branch exchange  
8 indicated by the location information of the terminal, which private branch exchange  
9 sets up a call with said terminal.

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1           3.     (Amended) Method according to claim 1, wherein at least one home  
2 private branch exchange is allocated to each terminal, and the home private branch  
3 exchange notices in case of an internal call that both the calling and the called  
4 subscriber are in the area of the same private branch exchange, and in this case the  
5 home private branch exchange sets up a call without any service request to the  
6 intelligent network.

1           4.     (Amended) Method according to claim 1 wherein the private branch  
2 exchange reserves for the terminal a roaming number used as location information of  
3 the terminal.

1           5.     (Amended) Method according to claim 4 wherein a fixed area from a  
2 number space of the private branch exchange is reserved for roaming numbers in the  
3 numbering plan.

1           6.     (Amended) Method according to claim 1 wherein the terminal is a  
2 terminal of a DECT (Digital European Cordless Telephone) system and the identity of  
3 the terminal is IPUI (International Portable User Identity) or IPEI (International Portable  
4 Equipment Identity).

1 7. (Amended) Method according to claim 6, wherein the method uses  
2 DSS.1 signalling protocol and the location information is positioned in a FACILITY or  
3 USER\_TO\_USER information element.

1 8. (Amended) Private Branch Exchange, comprising:  
2 first interface means for interfacing to an exchange having a Service Switching  
3 Point for interfacing to a service control point of an intelligent network; and  
4 second interface means for interfacing to base stations of a telephone system  
5 supporting wireless terminals, each terminal having an associated identity;  
6 wherein the private branch exchange is adapted to, in response to a location  
7 updating of one of the terminals:  
8 assign location information for said terminal in question; and  
9 send said location information to said exchange in a message which is suitably  
10 formatted so that the Service Switching Point re-sends said location information to said  
11 service control point.

1 9. (Amended) Private Branch Exchange according to claim 8, wherein the  
2 location information of a terminal is a roaming number.

1 10. (Amended) Arrangement for location updating of a wireless terminal in a  
2 communications system, the arrangement comprising a number of private branch  
3 exchanges and being in connection with a public integrated services network and an  
4 intelligent network;

5 wherein:

6 the wireless terminal comprises means for sending a location updating message  
7 in connection with a call setup to a private branch exchange and the private branch  
8 exchange comprises means for sending a call setup message to an exchange;

9 the private branch exchange comprises means for allocating location information to the  
10 terminal of the wireless network;

11 the private branch exchange comprises means for adding the location  
12 information and the identity of the terminal to the call setup message;

13 the exchange comprises means for sending the location information and the  
14 identity of the terminal to a node of the intelligent network in connection with a service  
15 request;

16 the node of the intelligent network comprises means for adding the location  
17 information and the identity of the terminal to the subscriber number of the terminal.

1 11. (Amended) Arrangement according to claim 10, wherein the location  
2 information of the terminal is a roaming number allocated by the private branch  
3 exchange.

1 12. (New) A method according to claim 1, wherein the subscriber  
2 number is an MSISDN number of said terminal.

1 13 (New) A private branch exchange according to claim 9, wherein the  
2 roaming number is reserved from the number space of said private branch exchange.